

What is claimed is:

1. A method of transmitting non-textual data, comprising:
 - uploading the size of a remote monitor to a host;
 - calculating a display size for the non-textual data on the remote monitor;
 - producing information capable of rendering the non-textual data at a plurality of resolutions for the calculated size;
 - transmitting the information;
 - rendering the non-textual data at a resolution based on the amount of received information.
2. The method of claim 1 wherein the information includes wavelet coefficients.
3. A method of transmitting a data sequence over a network, comprising:
 - uploading the parameters of a remote output device to a host;
 - selecting wavelet coefficients of the data sequence for transmission according to the uploaded parameters; and
 - progressively transmitting coefficients until the parameters of the output device are met.
4. The method of claim 3 additionally comprising the step of transmitting additional coefficients when the size of the remote window is increased.
5. The method of claim 3 wherein the data sequence includes one of a one-dimensional, two-dimensional and three-dimensional images, music, speech, and video sequences.
6. The method of claim 5 wherein the data sequence includes a three-dimensional image, said method additionally comprising the step of decomposing the three-dimensional image into a plurality of wavelet coefficients of two-dimensional perspectives.

7. The method of claim 3 additionally comprising the steps of examining the importance of coefficients and selecting for transmission the most important coefficients based on the resolution of the remote window.
8. The method of claim 3 wherein the coefficients are capable of adapting to arbitrary remote window dimensions.
9. The method of claim 3 additionally comprising the step of progressively receiving the transmitted coefficients and reconstructing the data sequence.
10. The method of claim 9 additionally comprising the step of recording the indices of the coefficients.
11. The method of claim 10 wherein said step of recording includes the step of recording at both the host and remote sites.